Amendments to the Claims

1. (Currently amended) An AV data outputting apparatus comprising:

a DV encoder (103) for encoding original data into DV-format AV data in a DV encoding procedure;

an MPEG encoder (104) for encoding original data into MPEG-format AV data in an MPEG encoding procedure;

a recording-mode-related section (110a) for selecting an AV data recording mode of operation from a DV-format mode and an MPEG-format mode;

first selecting means (SW2) ~~receiving first AV data and second AV data for selecting one from the first AV data and the second AV data, the first AV data resulting from encoding original data in a first encoding procedure, the second AV data resulting from encoding the original data in a second encoding procedure different from the first encoding procedure~~ for selecting one from the DV-format AV data and the MPEG-format AV data;

a first controller (111) for controlling the first selecting means (SW2) to select either the DV-format AV data or the MPEG-format AV data based on the selecting by the recording-mode-related section (110a);

fixed-pattern data generating means (112c) for generating ~~third AV data representative of either a first fixed pattern or a second fixed pattern, the first fixed pattern corresponding to the first encoding procedure, the second fixed pattern corresponding to the second encoding procedure~~ AV data including either DV dummy data or MPEG dummy data, the DV dummy data corresponding to the DV encoding procedure, the MPEG dummy data corresponding to the MPEG encoding procedure;

second selecting means (SW3) for selecting one from the AV data selected by the first selecting means (SW2) and the ~~third~~ AV data generated by the fixed-pattern data generating means (112c);

outputting means (112d, 112e) for outputting the AV data selected by the second selecting means (SW3);

output data type designating means (110b) for designating a type of encoding about the AV data outputted by the outputting means (112d, 112e) among different types corresponding to the ~~first and second~~ DV and MPEG encoding procedures respectively;

a second controller (111) for controlling the fixed-pattern data generating means (112c) to decide which of the DV dummy data and the MPEG dummy data the AV data generated by the fixed-pattern data generating means (112c) should include based on the encoding type selected by the output data type designating means (110b);

deciding means (111) for deciding whether or not the encoding procedure related to the AV data selected by the first selecting means (SW2) corresponds to the encoding type designated by the output data type designating means (110b); and

~~controlling means~~ a third controller (111) for controlling the second selecting means (SW3) to select the AV data selected by the first selecting means (SW2) when the deciding means (111) decides that the encoding procedure related to the AV data selected by the first selecting means (SW2) corresponds to the encoding type designated by the output data type designating means (110b), and controlling the second selecting means (SW3) to select the ~~third~~ AV data generated by the fixed-pattern data generating means (112c) and ~~being representative of one of the first and second fixed patterns~~ including one of the DV dummy data and the MPEG dummy data which corresponds to the encoding type designated by the output data type designating means (110b) when the deciding means (111) decides that the encoding procedure related to the AV data selected by the first selecting means (SW2) does not correspond to the encoding type designated by the output data type designating means (110b).

2. (Currently Amended) An AV data outputting apparatus as recited in claim 1, further comprising:

a camera device (101) for outputting the original data;

wherein the DV ~~a first~~ encoder (103) operates for encoding the original data outputted by the camera device (101) in the ~~first~~ DV encoding procedure to generate the ~~first~~ DV-format AV data; and

wherein the MPEG ~~a second~~ encoder (104) operates for encoding the original data outputted by the camera device (101) in the ~~second~~ MPEG encoding procedure to generate the ~~second~~ MPEG-format AV data.

3. (Currently amended) An AV data outputting apparatus as recited in claim 2, further comprising a recording medium (107), and recording means (105, 106) for recording the ~~first and second~~ DV-format and MPEG-format AV data generated by the ~~first~~ DV encoder (103) and the ~~second~~ MPEG encoder (104) on the recording medium (107).

4. (Currently amended) An AV data outputting apparatus as recited in claim 1, further comprising:

a recording medium (107);

reproducing means (108, 109) for reproducing a signal from the recording medium (107);

a first processor (112a) for generating the ~~first~~ DV-format AV data from the signal reproduced by the reproducing means (108, 109), and feeding the ~~first~~ DV-format AV data to the first selecting means (SW2);

a second processor (112a) for generating the ~~second~~ MPEG-format AV data from the signal reproduced by the reproducing means (108, 109), and feeding the ~~second~~ MPEG-format AV data to the first selecting means (SW2);

second deciding means (111) for deciding whether the signal reproduced by the reproducing means (108, 109) corresponds to the ~~first~~ DV encoding procedure or the ~~second~~ MPEG encoding procedure; and

~~second controlling means~~ a fourth controller (111) for controlling the first selecting means (SW2) to select the ~~first~~ DV-format AV data when the second deciding means (111) decides that the signal reproduced by the reproducing means (108, 109) corresponds to the ~~first~~ DV encoding procedure, and controlling the first selecting means (~~111~~SW2) to select the ~~second~~ MPEG-format AV data when the second deciding means (111) decides that the signal reproduced by the reproducing means (108, 109) corresponds to the ~~second~~ MPEG encoding procedure.

5. (Canceled)

6. (Original) An AV data outputting apparatus as recited in claim 1, wherein the outputting means (112d, 112e) comprises means (112d, 112e) for outputting the AV data selected by the second selecting means (SW3) according to an isochronous transmission procedure prescribed by the IEEE1394-1995 standards.

7. (Currently Amended) An AV data outputting apparatus comprising:

a DV encoder (103) for encoding original data into DV-format AV data in a DV encoding procedure;

an MPEG encoder (104) for encoding original data into MPEG-format AV data in an MPEG encoding procedure;

a recording-mode-related section (110a) for selecting a data recording mode of operation from a DV-format mode and an MPEG-format mode;

first selecting means (SW2) ~~receiving first AV data and second AV data for selecting one from the first AV data and the second AV data, the first AV data resulting from encoding original data in a first encoding procedure, the second AV data resulting from encoding the original data in a second encoding procedure different from the first encoding procedure~~ for selecting one from the DV-format AV data and the MPEG-format AV data;

a first controller (111) for controlling the first selecting means (SW2) to select either DV-format AV data or MPEG-format AV data based on the selecting by the recording-mode-related section (110a);

fixed-pattern data generating means (112c) for selectively generating either ~~third~~ first fixed-pattern AV data or ~~fourth~~ second fixed-pattern AV data, the ~~third~~ first fixed-pattern AV data corresponding to the ~~first~~ DV encoding procedure, the ~~fourth~~ second fixed-pattern AV data corresponding to the ~~second~~ MPEG encoding procedure, the ~~third~~ first fixed-pattern AV data and the ~~fourth~~ second fixed-pattern AV data representing a fixed pattern;

second selecting means (SW3) for selecting one from the AV data selected by the first selecting means (SW2) and the AV data generated by the fixed-pattern data generating means (112c);

outputting means (112d, 112e) for outputting the AV data selected by the second selecting means (SW3);

output data type designating means (110b) for designating a type of encoding about the AV data outputted by the outputting means (112d, 112e) among different types corresponding to the ~~first and second~~ DV and MPEG encoding procedures respectively;

a second controller (111) for controlling the fixed-pattern data generating means (112c) to decide which of the DV dummy data and the MPEG dummy data the AV data generated by the fixed-pattern data generating means (112c) includes based on the encoding type selected by the output data type designating means (110b);

deciding means (111) for deciding whether or not the encoding procedure related to the AV data selected by the first selecting means (SW2) corresponds to the encoding type designated by the output data type designating means (110b); and

~~controlling means~~ a third controller (111) for controlling the second selecting means (SW3) to select the AV data selected by the first selecting means (SW2) when the deciding means (111) decides that the encoding procedure related to the AV data selected by the first selecting means (SW2) corresponds to the encoding type designated by the output data type designating means (110b), and controlling the fixed-pattern data generating means (112c) to generate the AV data corresponding to the encoding type designated by the output data type designating means (110b) and controlling the second selecting means (SW3) to select the AV data generated by the fixed-pattern data generating means (112c) when the deciding means (111) decides that the encoding procedure related to the AV data selected by the first selecting means (SW2) does not correspond to the encoding type designated by the output data type designating means (110b).

8. (Currently amended) An imaging apparatus comprising:

a DV encoder for encoding original data into DV-format AV data in a DV encoding procedure;

an MPEG encoder for encoding original data into MPEG-format AV data in an MPEG encoding procedure;

a recording-mode-related section for selecting an AV data recording mode of operation from a DV-format mode and an MPEG-format mode;

selecting means for selecting one from the DV-format AV data and the MPEG-format AV data in accordance with the selecting by the recording-mode-related section;

a switch ~~receiving first AV data and second AV data~~ for selecting one from ~~the~~ first AV data and ~~the~~ second AV data, the first AV data being the AV data selected by the selecting means and resulting from either ~~a first~~ the DV encoding procedure or ~~a second~~ the MPEG encoding procedure ~~different from the first encoding procedure~~, the second AV data representing a fixed-pattern and being of either a format corresponding to the ~~first~~ DV encoding procedure or a format corresponding to the ~~second~~ MPEG encoding procedure;

first means for loading isochronous packets with the AV data selected by the switch, and sequentially outputting the isochronous packets;

second means for designating a requested type of encoding about the AV data carried by the isochronous packets outputted by the first means among different types corresponding to the ~~first and second~~ DV and MPEG encoding procedures respectively;

third means for deciding whether or not the encoding procedure related to the first AV data corresponds to the requested encoding type designated by the second means;

fourth means for controlling the switch to select the first AV data when the third means decides that the encoding procedure related to the first AV data corresponds to the requested encoding type designated by the second means; and

fifth means for causing the second AV data to be of the format corresponding to the requested encoding type designated by the second means and controlling the switch to select the second AV data when the third means decides that the encoding

procedure related to the first AV data does not correspond to the requested encoding type designated by the second means.

9. (Currently amended) An imaging apparatus comprising:

a DV encoder for encoding original data into DV-format AV data in a DV encoding procedure;

an MPEG encoder for encoding original data into MPEG-format AV data in an MPEG encoding procedure;

a recording-mode-related section for selecting an AV data recording mode of operation from a DV-format mode and an MPEG-format mode;

a first switch ~~receiving first AV data and second AV data for selecting one from the first AV data and the second AV data, the first AV data resulting from a first encoding procedure, the second AV data resulting from a second encoding procedure different from the first encoding procedure~~ for selecting one from the DV-format AV data and the MPEG-format AV data;

a first controller for controlling the first switch to select either DV-format AV data or MPEG-format AV data based on the selecting by the recording-mode-related section;

first means for generating ~~third~~ AV data representative of a fixed pattern and being of either a format corresponding to the ~~first~~ DV encoding procedure or a format corresponding to the ~~second~~ MPEG encoding procedure;

a second switch for selecting one from the AV data selected by the first switch and the ~~third~~ AV data generated by the first means;

second means for loading isochronous packets with the AV data selected by the second switch, and sequentially outputting the isochronous packets;

third means for designating a requested type of encoding about the AV data carried by the isochronous packets outputted by the second means among different types corresponding to the ~~first and second~~ DV and MPEG encoding procedures respectively;

fourth means for deciding whether or not the encoding procedure related to the AV data selected by the first switch corresponds to the requested encoding type designated by the third means;

fifth means for controlling the second switch to select the AV data selected by the first switch when the fourth means decides that the encoding procedure related to the AV data selected by the first switch corresponds to the requested encoding type designated by the third means; and

sixth means for controlling the first means to cause the ~~third~~ AV data generated by the first means to be of the format corresponding to the requested encoding type designated by the third means and controlling the second switch to select the ~~third~~ AV data generated by the first means when the fourth means decides that the encoding procedure related to the AV data selected by the first switch does not correspond to the requested encoding type designated by the third means.

10. (Currently amended) An imaging apparatus as recited in claim 9, further comprising:

a recording medium;

seventh means for reproducing a signal from the recording medium;

a first processor for generating the ~~first~~ DV-format AV data from the signal reproduced by the seventh means, and feeding the ~~first~~ DV-format AV data to the first switch;

a second processor for generating the ~~second~~ MPEG-format AV data from the signal reproduced by the seventh means, and feeding the ~~second~~ MPEG-format AV data to the first switch;

eighth means for deciding whether the signal reproduced by the seventh means corresponds to the ~~first~~ DV encoding procedure or the ~~second~~ MPEG encoding procedure;

ninth means for controlling the first switch to select the ~~first~~ DV-format AV data when the eighth means decides that the signal reproduced by the seventh means corresponds to the ~~first~~ DV encoding procedure; and

tenth means for controlling the first switch to select the ~~second~~ MPEG-format AV data when the eighth means decides that the signal reproduced by the seventh means corresponds to the ~~second~~ MPEG encoding procedure.